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ISO/TC 102/SC 2/WG 12

THE ELEVENTH MEETING OF ISO/TC 102/SC 2 HELD IN OTTAWA, CANADA, SEPTEMBER 20-24, 1982

WORKING GROUP REPORT FOR STANDARDS COUNCIL OF CANADA

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ISO/TC 102/SC 2/WG 12
THE ELEVENTH MEETING OF ISO/TC 102/SC 2 HELD IN OTTAWA, CANADA, SEPTEMBER 20-24, 1982

by

R. Sutarno*

This report covers only facets of the meeting that dealt with the work of ISO/TC 102/SC 2/WG 12 - Working Group on Statistical Evaluation.

ITEMS TO BE ACTED UPON BEFORE THE MINUTES ARIVE

Confirmation of the extension of Canada's convenorship of WG 12 and Canada's function as the data processing centre for the subcommittee.

RESULTS OBTAINED FOR CANADA

Canada's interest is identical to the Committee's interest as a whole. Improvement in the implementation of international tests will result in greater efficiency in the role of the sub-committee.

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CANADA'S CONTRIBUTION TO THE COMMITTEE EFFORT

Through WG 12, Canada's contribution has been:

1. To statistically evaluate all analytical data generated by the sub-committee. During the past two years, nine working groups within the sub-committee conducted international tests. Eight of them submitted their data to WG 12. Based on the results of these evaluations, recommendation were made to the conveners of the respective working groups on the precision and accuracy of the analytical methods. These analytical data, together with those collected from the previous tests, are stored in a computer file for future reference. In addition, WG 12 also evaluated a set of results of an international trial of a low temperature disintegration test conducted by ISO/TC 102/SC 3/WG 2.
2. A document entitled "Experimental Design for International Tests" has been written. The first draft of this document was submitted to the secretariat and circulated as document 2 N 650E. Comments from various countries were received and incorporated in the second draft that was submitted and circulated as document 2 N 679E. This document was discussed at the meeting and will be combined with document 2 N 685E to be published as a TCR (Technical Committee Report), with a title of "Working Procedure for Working Groups". This document will be used to streamline the work of all working groups within SC 2; it contains the objective of the working groups, responsibilities of each participant from the Secretariat to the participating laboratories, and the time tables for both working groups Stage A and Stage B.
3. To act as statistical consultant to both the secretariat and the editorial committee, particularly in connection with five-year reviews of various standards.

PROBLEM AREAS

None

EVALUATION OF THE IMPORTANCE OF THE WORK FOR CANADA

The major effort of the committee's work during this period is being directed to analytical methods involving environmentally important elements. Four working groups are currently working on pollution-free (non-mercury) methods for the determination of total iron in iron ores. Others are working on methods for minor elements: lead, zinc, vanadium, nickel and chromium in iron ores. These elements have economic as well as environmental importance in the iron ore industry in Canada.

POINTER REGRADING FUTURE PARTICIPATION

For the above reasons, Canada should remain an active member of this committee and accept extension of the convenorship of WG 12.

RESOLUTIONS TAKEN DURING
THE ELEVENTH MEETING OF ISO/TC 102/SC 2
IRON ORES/CHEMICAL ANALYSIS
1982-09-20-24
(RELATED TO THE WORK OF WG 12)

RESOLUTION 8 (Ottawa 1982)

The delegations present agreed that the Note relating to independent duplicates would be modified as follows:

'Note - The expression 'independently' implies that the repetition of the procedure shall be carried out at a different time and include appropriate recalibration'.

RESOLUTION 9 (Ottawa 1982)

The delegations present agreed that the mandate of WG 12 be extended for a further two years, particularly to maintain the continuity of centralized data processing. They also wished to record their further appreciation of the excellent work in this area being carried out by the Canadian member body.

RESOLUTION 10 (Ottawa 1982)

The delegations present agreed to modify Annex A (Flowsheet on the Procedure for the Adoption of Analytical Values for Test Samples) to specify that where 4 determinations are made then, providing that they all lie within 1.3 r, the mean value shall be used. If the values do not lie within 1.3 r the median value shall be used.

RESOLUTION 11 (Ottawa 1982)

The delegations present agreed that a technical committee report be prepared incorporating the experimental design for international tests and working group operating procedures as two parts of a single document. Mr. Sutarno was requested to prepare a preliminary draft incorporating the features contained in documents 2 N 596, N 620, N 679, N 682, and N 685. It was further agreed that the document would be subject to review at each meeting of SC 2.